

Appln No. 10/646,905**Amdt date November 13, 2006****Reply to Office action of September 12, 2006****Amendments to the Specification:**

Please replace the paragraph beginning on page 15, line 3 through page 15, line 10 with the following rewritten paragraph:

In example 2 of Figure 12, the frequency of the modulating signal output from the modulating signal generator 8 is varied for each half cycle (up or down) of ~~the~~the triangular wave. In this case, the frequency of the signal from the target object varies for each half cycle (up or down) of the triangular wave.